# CLAIM AMENDMENTS

**Claim Amendment Summary**

**Claims pending**

- Before this Amendment:  Claims 1-25.

- After this Amendment:  Claims 1, and 3-19.

**Non-Elected, Canceled, or Withdrawn claims**:    Claims 2, and 20-25.

**Amended claims**:  Claims 1 and 13.

**New claims**:  None.

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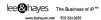**Claims:**

      1.    **(Currently Amended)** A    method    for    stylizing    video, comprising:

performing  a  spatio-temporal  segmentation  analysis  on  the  video  to identify  three  dimensional  volumes  of  contiguous  pixels  having  a  similar [characteristic] color;

receiving  an  input  identifying  a  group  of  the  three  dimensional  volumes; and

identifying  the  group  of  three  dimensional  volumes  as  a  single  semantic region.

      2.    **(Canceled)**

**3.     (Original)** The method of claim 1, wherein the spatio-temporal segmentation analysis comprises an anisotropic kernel mean shift segmentation procedure.

**4.     (Original)** The method of claim 1, wherein the input comprises an interactive user input.

**5.     (Original)** The method of claim 1, wherein the three dimensional volumes of contiguous pixels comprise segments.

**6.     (Original)** The method of claim 5, wherein the user input comprises outlining a plurality of segments.

**7.     (Original)** The method of claim 6, wherein the outlining is performed on a number of keyframes of the video, the number of keyframes being fewer than a total number of frames of the video.

**8.     (Original)** The method of claim 7, wherein additional segments on frames of the video other than keyframes are identified by determining a relationship of the additional segments to the segments outlined on the keyframes.

**9.     (Original)** The method of claim 8, wherein the relationship comprises at least a portion of the additional segments being enclosed by one or more of the segments outlined on the keyframes.

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**10.** **(Original)** The method of claim 9, wherein the at least a portion comprises at least a majority of pixels of the additional segments.

**11.** **(Original)** The method of claim 1, further comprising applying a stylization to the single semantic region.

**12.** **(Original)** The method of claim 11, wherein the stylization comprises a mean shift technique.

**13.  (Currently Amended)** A computer-readable medium having computer-executable instructions for stylizing video, the instructions comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar [~~characteristic~~] color;

receiving an input identifying a group of the three dimensional volumes; and

identifying the group of three dimensional volumes as a single semantic region.

**14.  (Original)** The computer-readable medium of claim 13, wherein the instructions further comprise deriving a set of edge sheets that represent the surface of the single semantic region and associating the edge sheets with the semantic region.

**15.  (Original)** The computer-readable medium of claim 14, further comprising rendering the edge sheets as a curve between the semantic region and another portion of the video.

**16.  (Original)** The computer-readable medium of claim 14, wherein a thickness of the edge sheets is determined based on criteria associated with the single semantic region.

**17.** **(Original)** The computer-readable medium of claim 16, wherein the criteria comprises a position of the edge sheet relative to an arclength of the edge sheet.

**18.** **(Original)** The computer-readable medium of claim 16, wherein the criteria comprises a duration of existence of the semantic region in the video.

**19.** **(Original)** The computer-readable medium of claim 16, wherein the criteria comprises a movement of the semantic region in the video.

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20.  (Canceled)

21.  (Canceled)

22.  (Canceled)

23.  (Canceled)

24.  (Canceled)

25.  (Canceled)

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